





**Copernicus** -An EU Space Programme

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- Copernicus an introduction
- Governance
- Data management
- User requirements next generation







## • Copernicus – an introduction

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## **Copernicus current status**



Six

**Milestones** 

reached:

- Budget of € 4.3 Bn for 2014-2020
- Full, free and open access to data
- Successful launch of Sentinel 1A
- Programme Regulation adopted
- First images presented
- Funds delegated to ESA



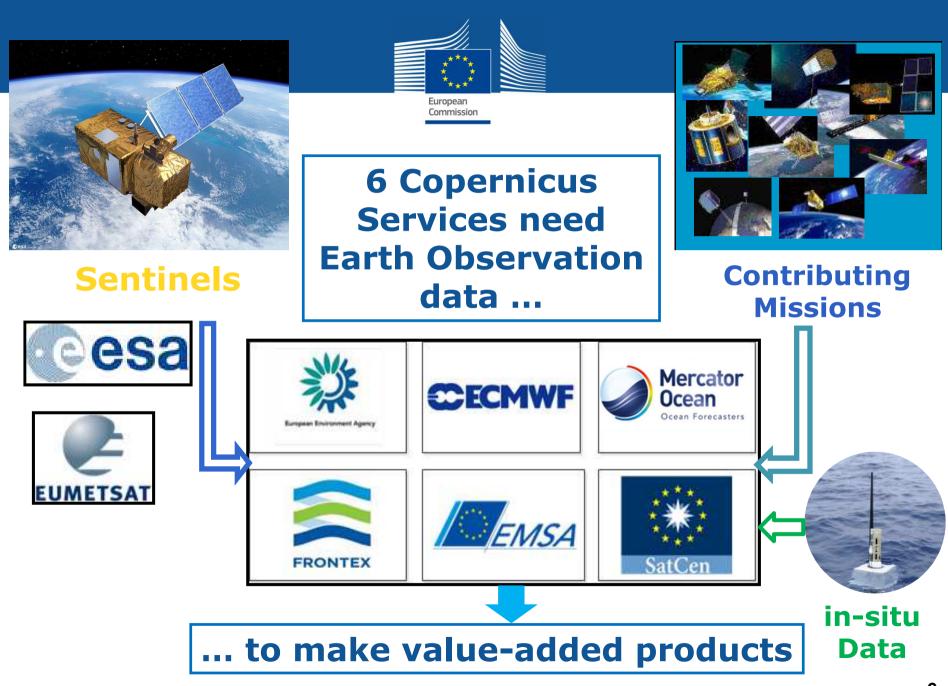






Commission







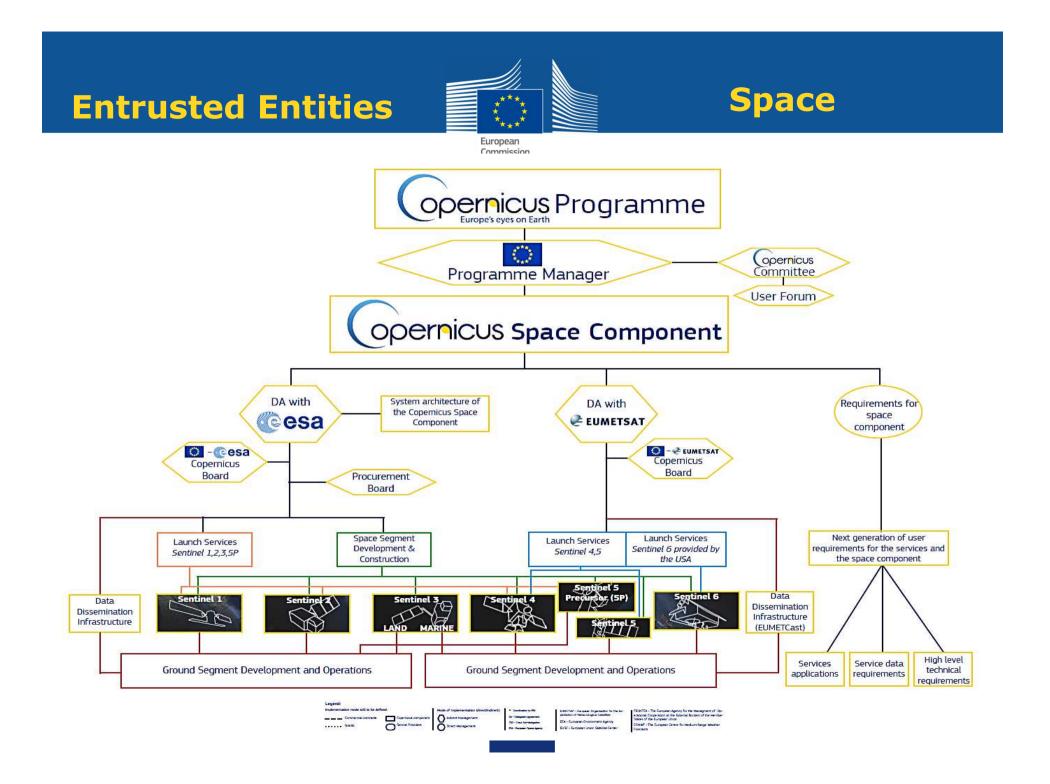


## Copernicus – an introduction

## • Governance

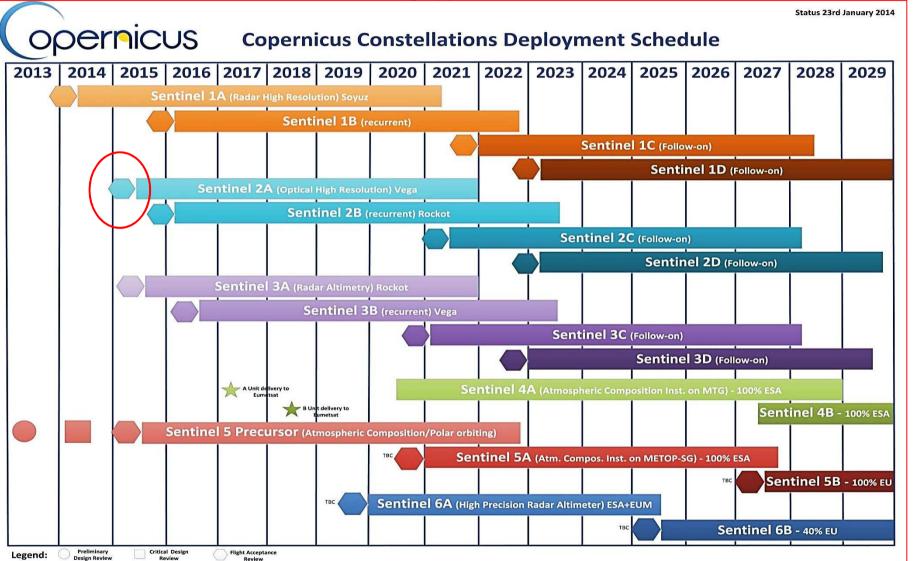
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### Deployment Schedule





9



## Six Copernicus services are necessary to meet user needs





Land Monitoring



Marine Environment Monitoring



#### **Atmosphere Monitoring**

Transversal services



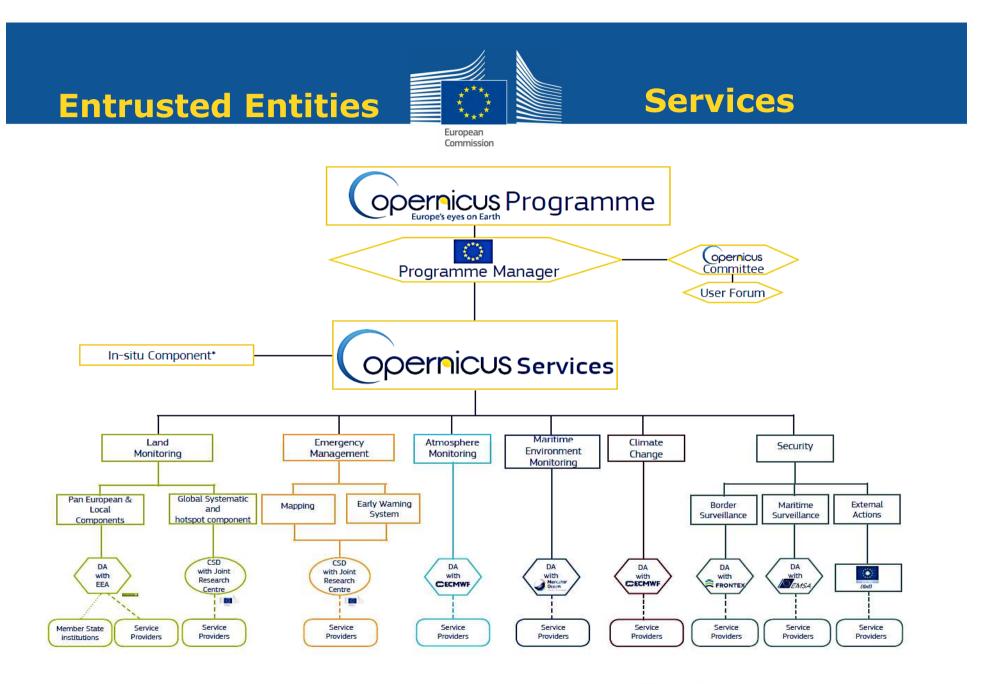
**Emergency Management** 



Security



**Climate Change** 

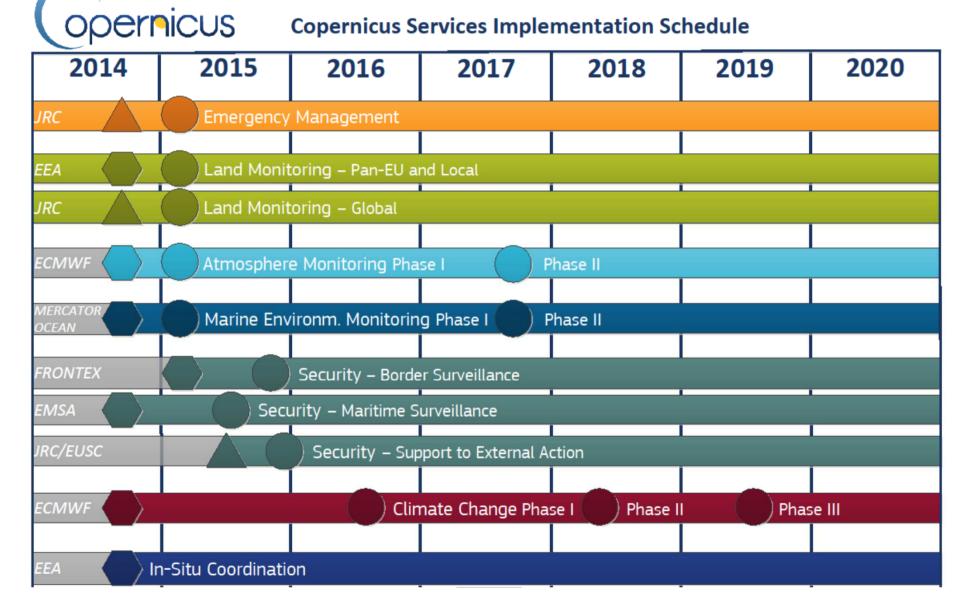


Legend				
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#### **Services Deployment**



Status 1<sup>st</sup> September 2014







## Copernicus – an introduction

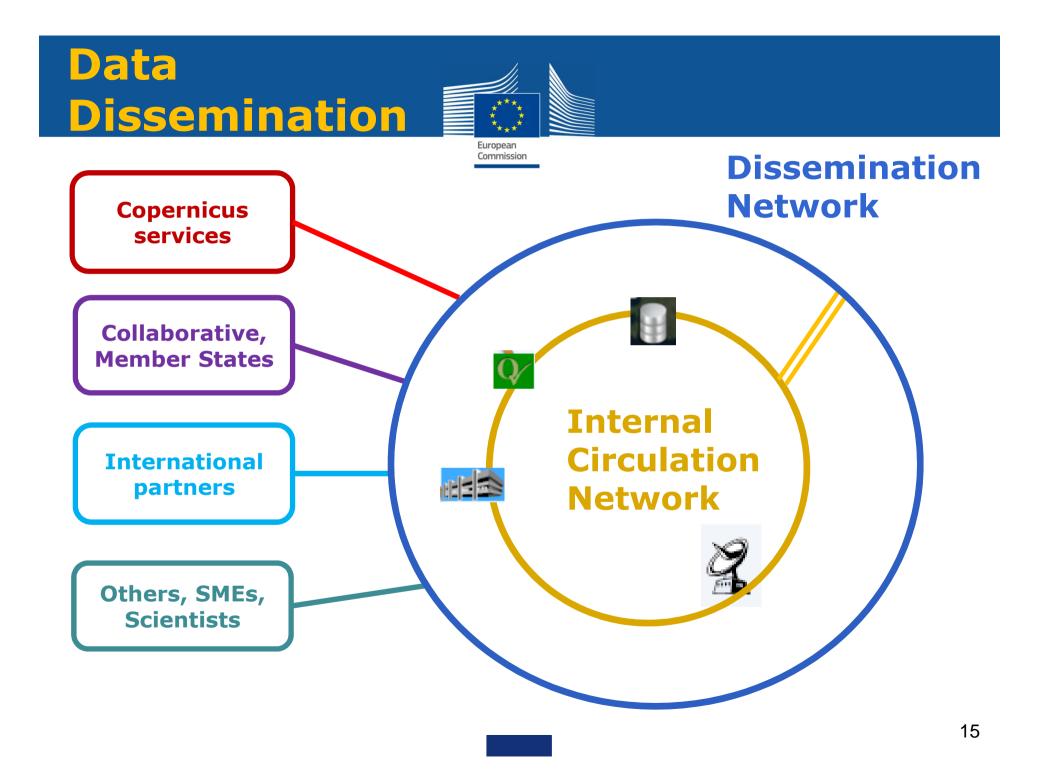
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## Two complementary approaches:

- Bringing the data to the user: web portal, mirroring of the data – high bandwidth connection needed (e.g. Géant)
- Bringing the user to the data: cloud computing ('hosted computing') – upgrade of the Copernicus core ground segment needed







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- Governance
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# • User requirements next generation



## User Requirements



- Service specifications update in response to future user requirements
- Service data requirements in response to updated service specifications

Commission

- Technical requirements for the space component – together with ESA
- Should include all 6 thematic domains, i.e. the 6 Copernicus Services



opernicus





## Framework Service Contract has been awarded to:

- GMV Aerospace and Defence S.A.U. (Coordinator)
  - SpaceTecPartners
  - FDC (France Développement Conseil)
- Contract was concluded on 5/12/2014



#### **Scope of Contract**





- Definition of 3 specific contracts to implement the Framework Contract
- Signature of the 1st specific contract by March 2015.
- Title of 1st specific contract: "User requirements & service specifications to be fulfilled by the next generation Copernicus Space Component"

# Thank you for attention

Web: copernicus.eu Facebook: CopernicusEU Twitter: @Copernicus EU

